INVESTIGATOR'S ANNUAL REPORT

National Park Service

All or some of the information provided may be available to the public

Reporting Year: 2002	Park: Shenandoah NP
Principal Investigator: Dr Tony Wolf	Office Phone: 540-869-2560
	Email:
	vitis@vt.edu
Address:	Office Fax:
Virginia Tech	540-869-0862
595 Laurel Grove Rd Winchester, VA 22602 US	
Additional investigators or key field assistants (first name, last name, office phone, office email):	
No co-investigators	
Permit#: SHEN-2001-SCI-0003	
Park-assigned Study Id. #: SHEN-00262	
Project Title: Temperature/elevation relationships on the east and west	
flanks of the Blue Ridge Mountain	
Permit Start Date: Jan 01, 2001	Permit Expiration Date May 31, 2004
Study Start Date: Jan 01, 2001	Study End Date May 31, 2004
Study Status: Continuing	
Activity Type: Research	
Subject/Discipline: Atmosphere / Climate / Weather	
Objectives: Commercial vineyards are at risk of spring frost and winter cold injury. That risk is reduced with increased elevation, to an extent. The proposed activity in the Shenandoah NP will help define the upper limit to that elevation benefit. An optimal elevation will have the dual benefits of minimal risk of raditional frost/freeze events and cooler daytime temperatures relative to lower elevations. Data loggers have been in place on private land at elevations of 1200, 1000, and 800 feet asl. The proposed data collection at 2200 feet asl in the Shenandoah NP is necessary to understand the upper limits of elevation benefit.	
Findings and Status: Air temperature monitoring on western flank of Blue Ridge included dataloggers at 840, 1000, 1200, and 2000 (SNP location) FEET above sea level. Frost-free period of 2001 season varied from 186 days (840 feet asl) to 216 days (2000 feet asl). Data contribute to our long-term monitoring of temperatures on both the East and West sides of Blue Ridge, as per objectives.	
For this study, were one or more specimens collected and removed from the park but not destroyed during analyses?	
Funding provided this reporting year by NPS:	Funding provided this reporting year by other sources:
Fill out the following ONLY IF the National Park Service supported this project in this reporting year by providing money to a university or college	
Full name of college or university:	Annual funding provided by NPS to university or college this reporting year:

0